SERVICE DATA
FILE NO. 140-081

TOSHIBA

STEREO TURNTABLE

SR-F330

SPECIFICATIONS			
Drive System:	Belt-drive	Frequency Response:	30 Hz ~ 20 kHz
Drive Motor:	DC Servo Motor	Output Voltage:	3 mV (at 1 kHz 50 mm/S)
Speeds:	2 Speeds, 33-1/3 and 45 rpm	Recommended Impedance:	50kΩ
Speed Control Range:	Within 2% (individual control for 33-1/3 and 45 rpm)	Separation:	25 dB (at 1 kHz)
Platter:	Aluminum Die-cast, with Strobo-scope 31.5 cm	Channel Balance:	Within 1 dB
Tone arm:	Static Balance Type S-shaped Pipe Arm Effective Length; 218 mm Overhang; 12 mm Tracking Error Angle +3° ~ -1° Stylus Force Direct-read System Detachable Head Shell Stylus Force Response Type Antiskating System Usable Cartridge Weight Range 3.5 g Minimum ~ 10 g Maximum	Stylus Tip:	0.6 mil (Diamond)
		Optimum Tracking Force:	1.5 g ~ 2.5 g
		Stylus:	N-55D
		SN Ratio:	55 dB
		Wow and Flutter:	0.05% WRMS
		Power Source:	AC220 ~ 240 V 50 Hz AC115/230 V 50/60 Hz (with voltage selection switch)
		Power Consumption:	4 W
		Dimensions:	448 (W) x 354 (D) x 140 (H)
		Weight:	7 kg
		Completed with:	Full automatic mechanism, cueing control device, automatic repeat mechanism, automatic cutting mechanism, detachable hinges.
Cartridge: Type:	C-55M (Dual magnet type)		

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1. OPERATING INSTRUCTIONS

TOP VIEW

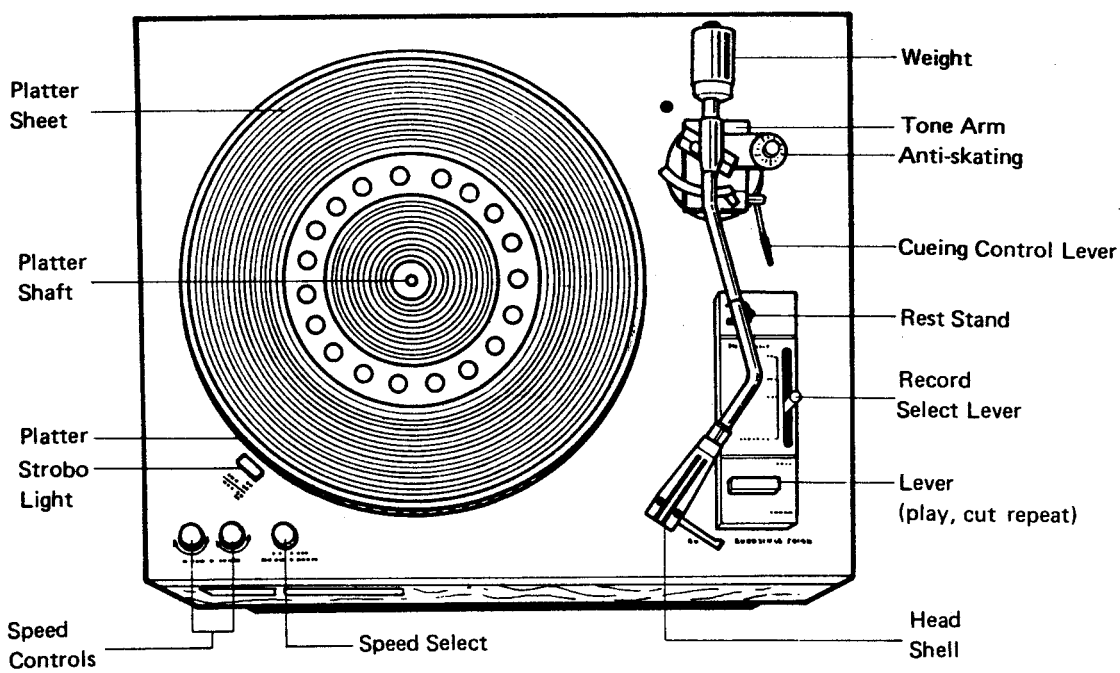

Figure 1

2. DISASSEMBLY PROCEDURE

BOTTOM COVER REMOVAL

1. Remove six screws (①) and two screws (②). See figure 2.

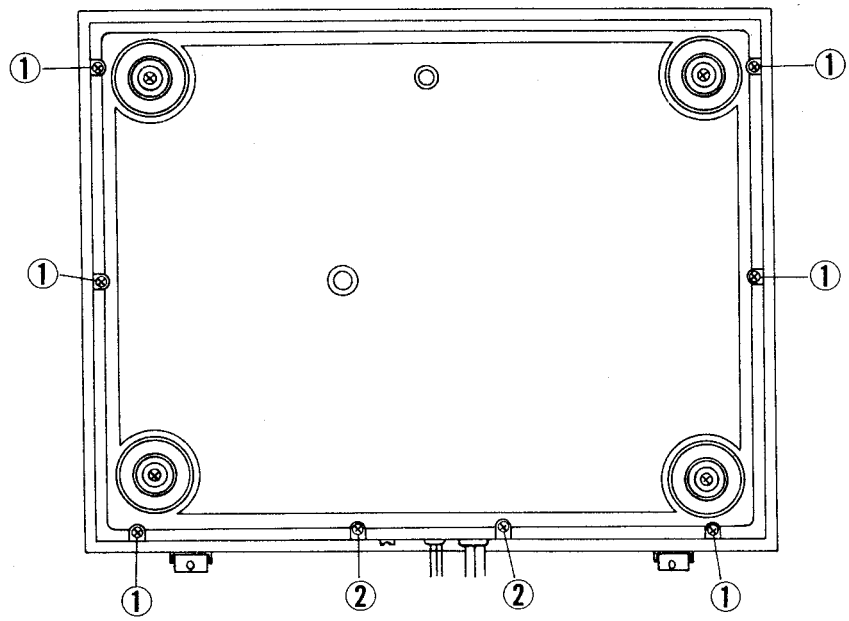

Figure 2

3. ASSEMBLY PROCEDURE

BELT SETTING

1. Hold the platter pulling the inner belt with a thumb inserted into the hole on the platter.
2. Place the platter on the shaft, and set the belt to the pulley without twisting it.

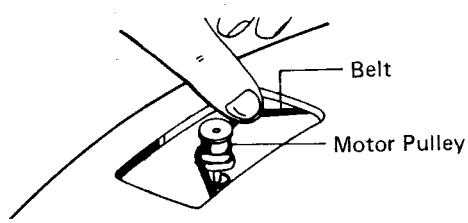

Figure 3

TO FIX THE CARTRIDGE TO THE HEAD SHELL

1. Connect the leads of head shell to the cartridge correctly.
2. Before securing the cartridge to the head shell, take the gauge of overhang after lightly tightening the cartridge fixing screws and nuts.

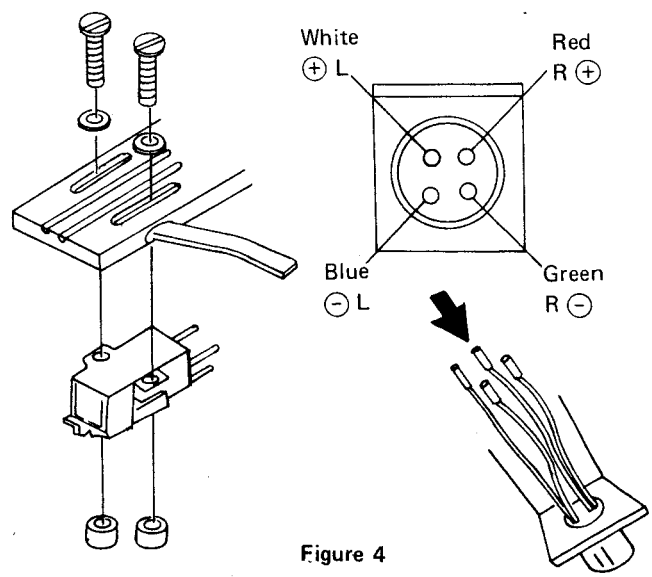

Figure 4

4. ADJUSTMENTS

ADJUSTMENT OF TRACKING FORCE (Be sure to adjust)

Before adjustment of the tracking force with the turntable connected to your amplifier, be sure to turn OFF the amplifier power switch.

1. Set the anti-skating adjustment to the "O" position.
2. Lower the cueing control lever, and lift the tone arm from the rest stand by hand.
3. By turning the weight, adjust the tone arm until it becomes level. Then turn the tracking force gauge to match its "O" mark with the reference line on the tone arm.
4. Turn the weight in the direction of arrow and adjust the tracking force to an appropriate value (1.5 to 2.5).
5. Return and fix the tone arm to the rest stand.
6. To get optimum performance, the anti-skating adjustment should be set to the same scale as the tracking force gauge.

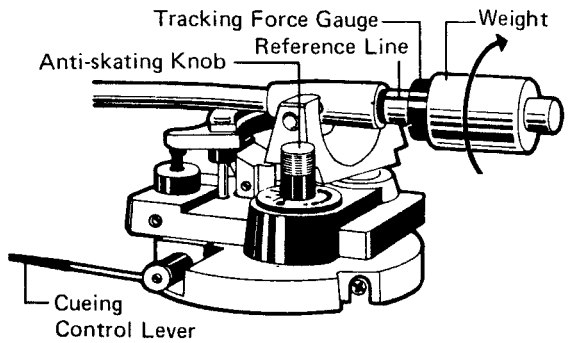

Figure 5

OVERHANG ADJUSTMENT

1. Overhang adjustment is required when the cartridge or the head shell is changed. As shown in figure 6, fasten the cartridge securing screws so that the distance between the stylus tip and the connector becomes 50mm. The optimum overhang is then provided, and the maximum tracking performance is exhibited.

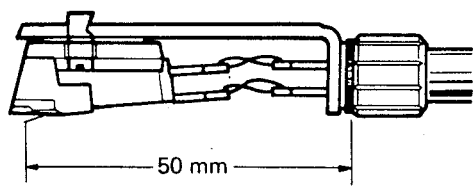

Figure 6

ADJUSTMENT OF AUTO-START POSITION

1. When the stylus tip is lowered to the outside of the record-turn clockwise.
2. When the stylus tip is lowered to the inside past the start of a music-turn counterclockwise.

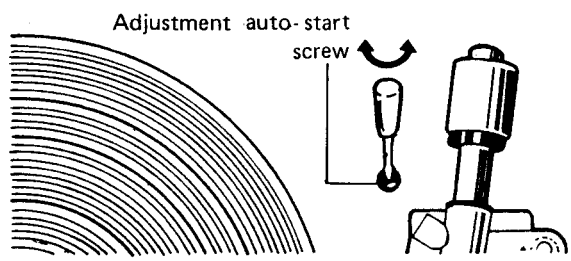

Figure 7

5. WIRING DIAGRAMS

FOR EUROPE/AUSTRALIA

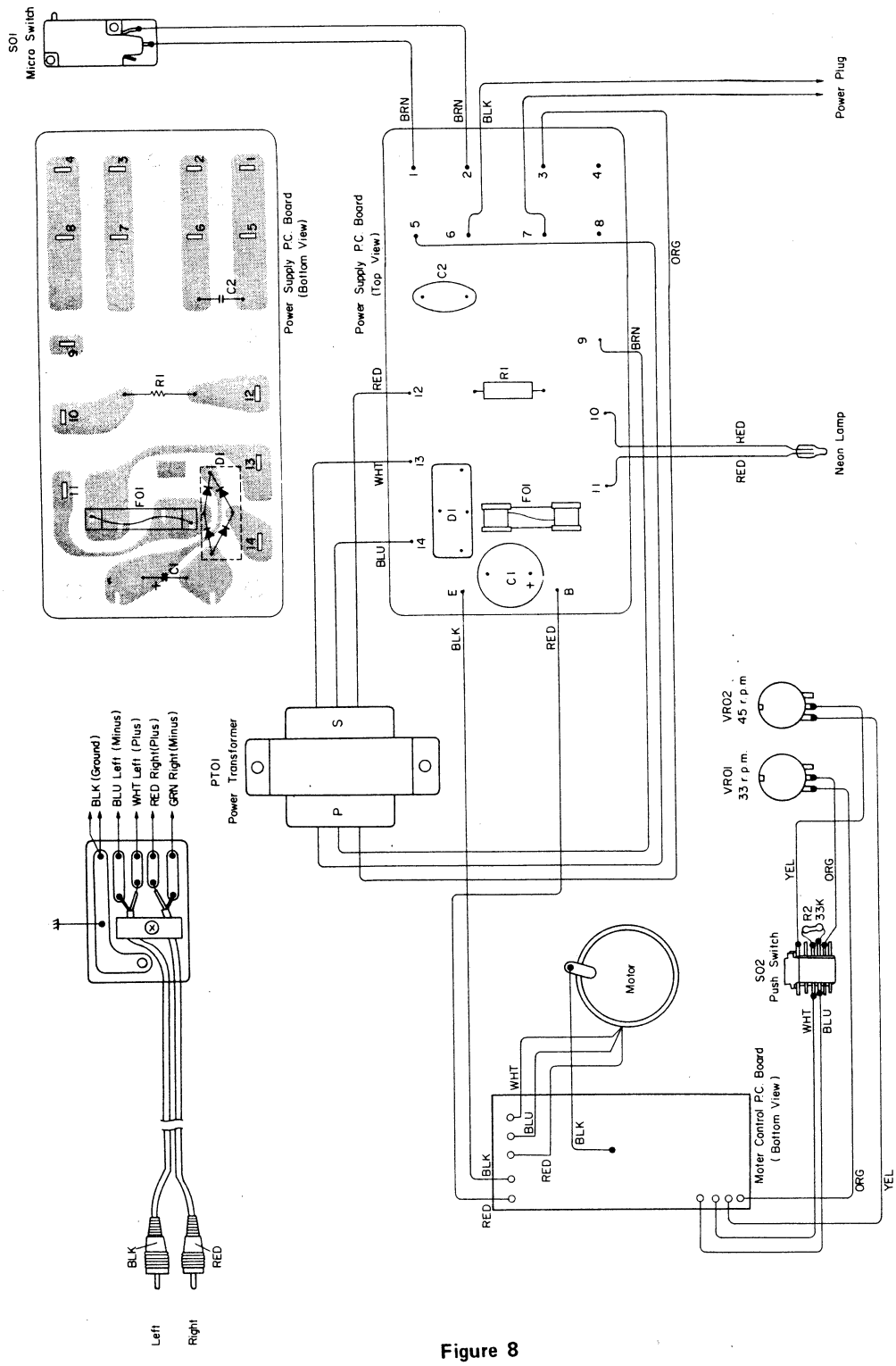

Figure 8

FOR ENGLAND

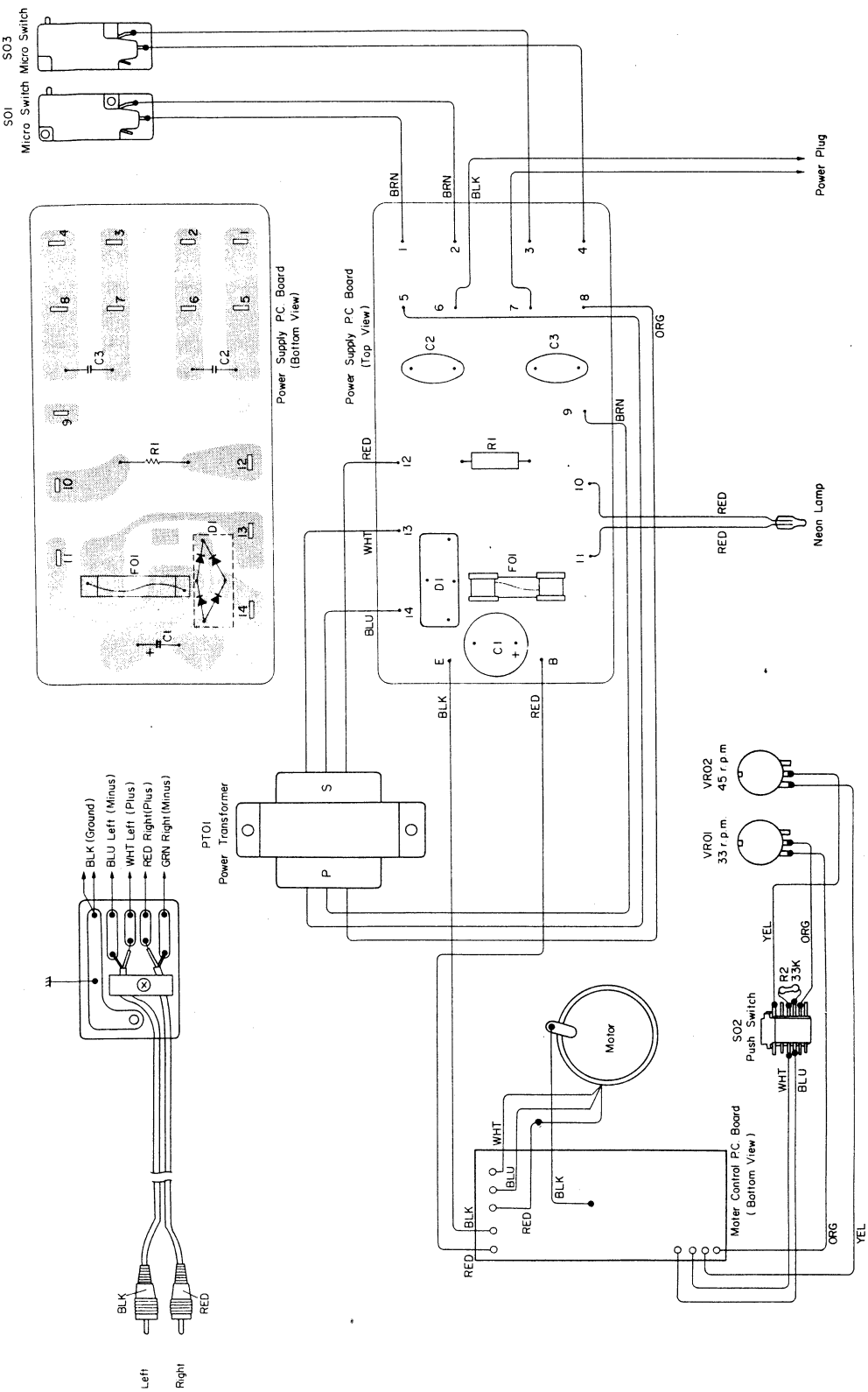

Figure 9

FOR OTHERS

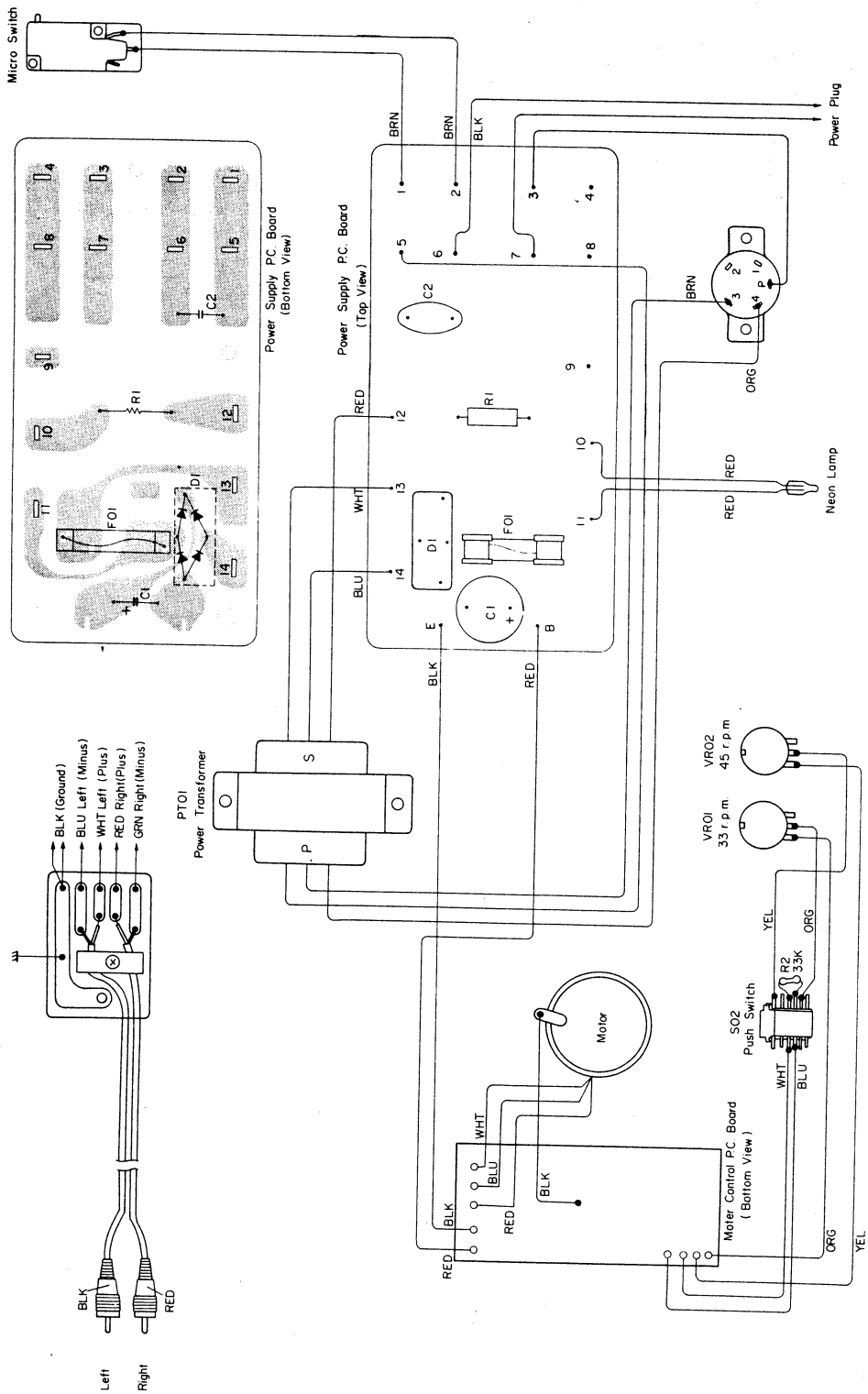

Figure 10

6. SCHEMATIC DIAGRAM

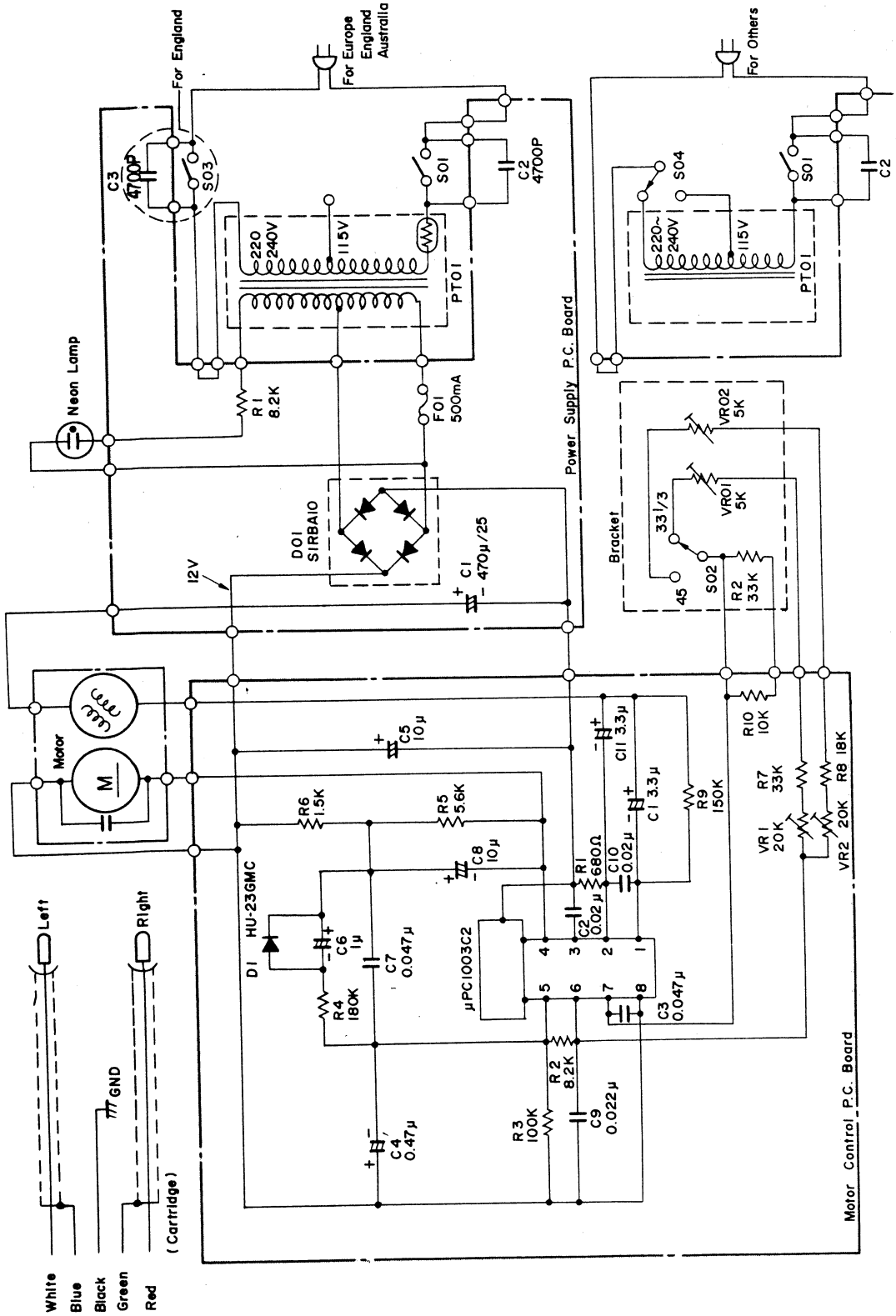

Figure 11

ADJUSTMENT OF CUEING CONTROL HEIGHT

The cueing control height, or the distance from the record surface to the stylus, is factory adjusted to 4 to 11mm when the cueing control lever is lifted.

Should readjustment become necessary for any reason or after cartridge replacement, perform it as follows.

1. Attach the stylus cover for stylus tip protection.
2. Move the tone arm toward the platter shaft.
3. Loosen the adjusting screw at the lifter base and adjust the height.

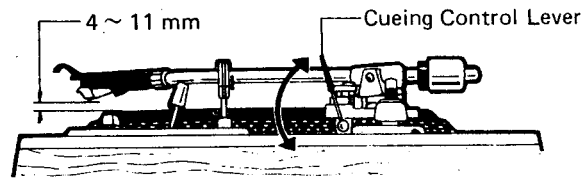

Figure 12

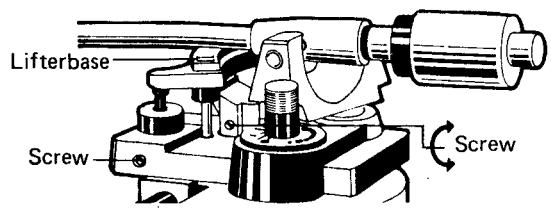

Figure 13

7. LINE VOLTAGE SELECTION METHOD

Select the correct AC supply voltage using a screwdriver.

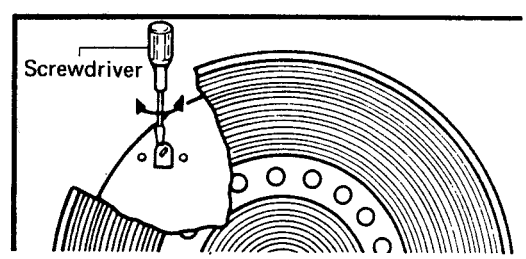

Figure 14

8. MECHANICAL AND CABINET PARTS LOCATIONS

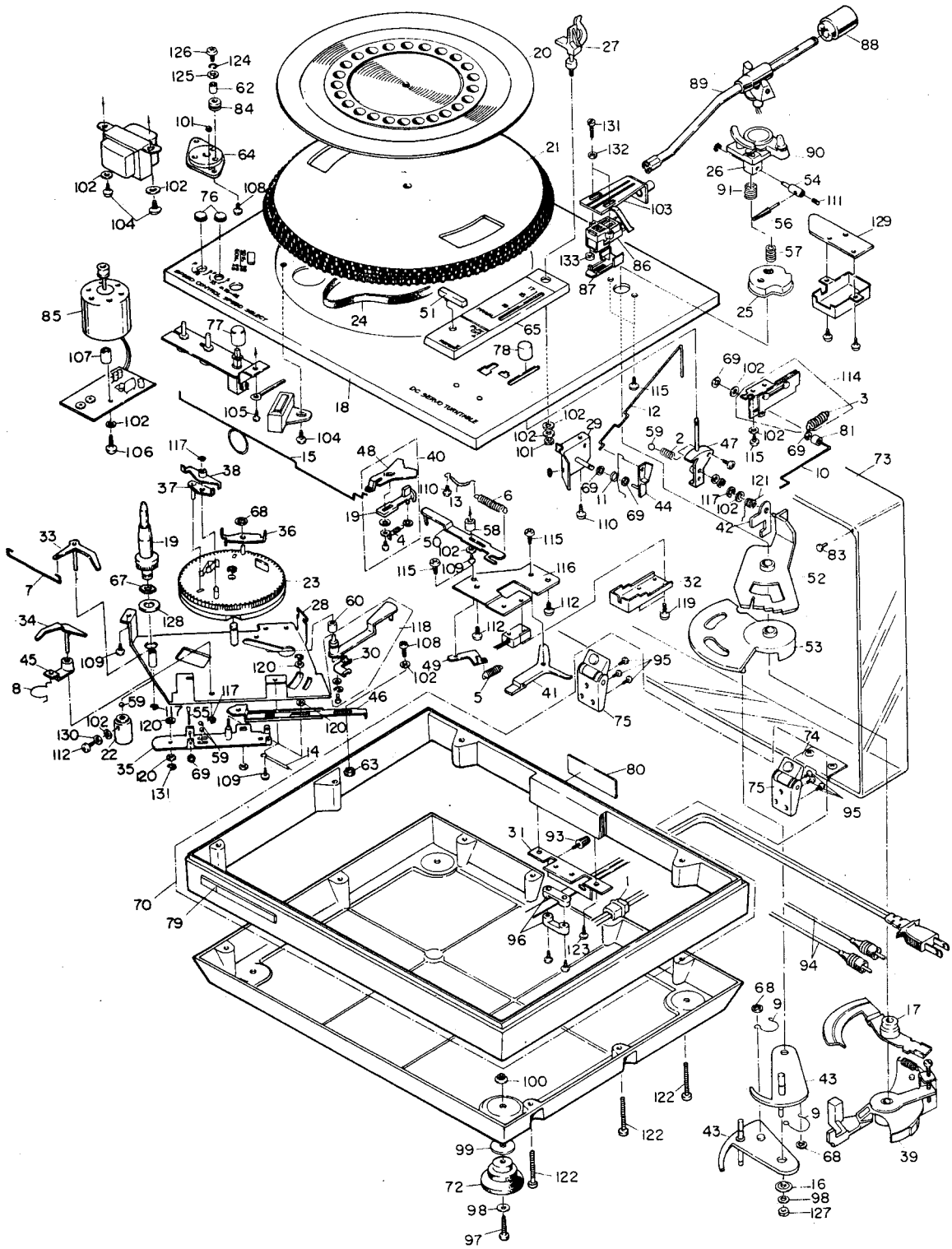

Figure 15.

9. PARTS LIST

Symbol No.	Part No.	Description
		DIODE
D1	22115342	Diode, S1RBA10
		ELECTRICAL PARTS
PT01	22213529	Transformer, Power (PT3004)
S01	22146261	Switch, Micro, Power
S02	22146194	Switch, Push, Speed Select
S03	22146261	Switch, Micro, Power (For Others)
S04	22146119	Switch, Rortary, Voltage Select (For Others)
F01	22144338	Fuse, 500mA, 250V
	20788071	Lamp Ass'y
	22176286	Cord, Power (For Europe)
	22176536	Cord, Power (For England)
	22176552	Cord, Power (For Australia)
	22176114	Cord, Power (For Others)
		CAPACITORS
Z=-20+80%		
C1	22446471	Electrolytic, 470mfd, 25V
C2	22340090	Ceramic, 4700pF, 250V, Z
C3	22340090	Ceramic, 4700pF, 250V, Z (For England)
		RESISTORS
J=±5%, K=±10%		
R1	22563822	Solid, 8.2K ohm, 1/2W, K
R2	22545333	Carbon, 33K ohm, 1/4W, J
		VARIABLE RESISTORS
VR01, 02	22622020	Variable, 5K ohm, B Type
		MECHANICAL AND CABINET PARTS
1	20022018	Bushing, Pin Cord
2	20703040	Spring, Select Lever
3	20705036	Spring, Lever Ass'y
4	20705037	Spring, Cam Lever
5	20705038	Spring, Tension
6	20705039	Spring, Tension
7	20707046	Link, Operation
8	20707047	Spring, Lock Lever
9	20707063	Spring, Wire
10	20707049	Rod, Select
11	20707050	Spring, Wire
12	20707051	Link
13	20707053	Wire, Rod
14	20707054	Wire, Rod
16	20709021	Spring, Plate
17	20709022	Spring Ass'y, Brake
18	20711085	Panel Ass'y, Player
19	20721049	Shaft Ass'y, Table
20	20723048	Mat, Turntable
21	20723046	Turntable
22	20725059	Bushing, Turntable
23	20727027	Gear, Cam
24	20728021	Belt
25	20735044	Stand, Tone Arm
26	20737014	Stand, Lift
27	20738032	Rest, Tone Arm
30	20746108	Plate, Lever
33	20751092	Lever Ass'y, Cut
34	20751093	Lever Ass'y, Repeat
36	20751097	Latch Ass'y
37	20751098	Latch Ass'y
38	20751099	Latch Ass'y
39	20751102	Plate Ass'y, Tone Arm
40	20751103	Lever Ass'y, Operation
41	20751104	Lever Ass'y, Cam

Symbol No.	Part No.	Description
42	20751120	Stopper Ass'y
44	20753133	Lever, Select
46	20753138	Lever, Clutch
47	20753143	Lever, Select
48	20753146	Lever, Operation
49	20753149	Lever, Cam
50	20753150	Lever, Cam
51	20753187	Lever, Operation
52	20757017	Cam, Select
53	20757018	Cam
54	20757023	Cam, Lift
56	20763178	Shaft, Lift Knob
57	20763201	Bar, Lift
58	20773075	Collar
59	20773077	Ball, Steel
62	20773190	Spacer
63	20776022	Bushing
64	20778119	Cover, Motor
65	20778120	Cover, Decoration
67	20796021	Nut, 10φ
68	20798033	Ring, 3φ
69	20798037	Ring, 2φ
70	20815156	Cabinet Ass'y (For Germany)
	20815159	Cabinet Ass'y (For Europe/England/ Australia/others)
71	20826165	Cover, Bottom
72	20842085	Leg, Bottom Cover
73	20847082	Dust Cover Ass'y, Player
74	20861060	Hinge, Dust Cover
75	20861081	Hinge, Cabinet
76	20871299	Knob, Speed Control
77	20871300	Knob, Speed Select
78	20871298	Knob
79	20875128	Mark, Cabinet
80	20877218	Nameplate (For Europe/England/ Australia)
	20877223	Nameplate (For Others)
81	20881125	Cushion
83	20881160	Rubber Cushion, Dust Cover
84	20881180	Cushion
85	20788068	Motor Ass'y (With Pulley)
86	22155049	Cartridge
87	20788077	Cover, Stylus
88	20788072	Weight
89	20788069	Tone Arm
90	20788070	Base Ass'y
91	25772416	Spring, Lift
93	22162338	Terminal, Ground
94	22164287	Cord, Pin Plug
103	20736032	Head Shell
117	74050020	E Washer, 2φ
119	22707103	Special Screw, M3 x 16mm (For Europe/Australia/Others)
	22707110	Special Screw, M3 x 25mm (For England)
121	20707062	Spring, Wire
126	70402610	Screw (PAN), M2.6 x 10mm
131	22707049	Screw, Cartridge
132	20791077	Washer, Cartridge
133	22702141	Nut, Cartridge
		ACCESSORIES
	20951311	Owner's Manual
	20951312	Owner's Manual (For Europe/Others)
	20951330	Owner's Manual (For Europe)
	20951331	Owner's Manual (For Europe)
	20951332	Owner's Manual (For Europe)
	20951333	Owner's Manual (For Europe)
	20971046	Adaptor, 45r.p.m.
	20952226	Card (For Europe)